

DECLARATION – Non-Provisional Utility Patent Application

As below named inventors, we hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to our names.

We believe we are the original, first and joint inventors of the subject matter that is claimed and for which a patent is sought on the invention entitled "Pre-Fire Countdown in an Electronic Detonator and Electronic Blasting System," the specification of which:

- is attached hereto OR
 was filed on ____ as United States Application Serial No. ____ or PCT International Application No. ____ and was amended on ____ (if applicable).

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

We acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations (CFR), § 1.56.

We hereby claim foreign priority benefits under Title 35, U.S. Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than U.S.A., listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign App. Number(s)	Country	Date of Filing	Priority Claimed
			YES / NO

We hereby claim the benefit under Title 35, United States Code §119(e) of United States provisional application(s) number _____, filed on _____.

We hereby claim the benefit under Title 35, U.S. Code, § 120 of any U.S. application(s), or § 365(c) of any PCT international application designating U.S.A., listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior U.S. or PCT international application in the manner provided by the first paragraph of Title 35, U.S. Code, § 112, we acknowledge the duty to disclose information which is material to patentability as defined in Title 37 CFR, § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent App. Number	PCT Parent Number	Parent Filing Date	Status

We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, U.S. Code, § 1001 and that such willful false statements may jeopardize the validity of the

application or any patent issuing thereon.

1	FULL NAME OF INVENTOR	FIRST Name Shashi	MIDDLE Initial	LAST Name Kanth
	RESIDENCE & CITIZENSHIP	City Simi Valley	State or Foreign Country California	Country of Citizenship India
	POST OFFICE ADDRESS	6492 Dowel Dr.	City Simi Valley	State or Country California

INVENTOR'S SIGNATURE Shashi Kanth DATE 07/11/03

2	FULL NAME OF INVENTOR	FIRST Name Alex	MIDDLE Initial A.	LAST Name Kouznetsov
	RESIDENCE & CITIZENSHIP	City Santa Barbara	State or Foreign Country California	Country of Citizenship Russia
	POST OFFICE ADDRESS	143 Northridge Rd.	City Santa Barbara	State or Country California

INVENTOR'S SIGNATURE _____ DATE _____

3	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name
	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship USA
	POST OFFICE ADDRESS		City	State or Country

INVENTOR'S SIGNATURE _____ DATE _____

4	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name
	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship USA
	POST OFFICE ADDRESS		City	State or Country

INVENTOR'S SIGNATURE _____ DATE _____

5	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name
	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship USA
	POST OFFICE ADDRESS		City	State or Country

INVENTOR'S SIGNATURE _____ DATE _____

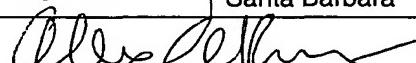
NOTE TO INVENTORS: Signature Must Conform Exactly to Name as Set Forth Above.

application or any patent issuing thereon.

	FULL NAME OF INVENTOR	FIRST Name Shashi	MIDDLE Initial	LAST Name Kanth
1	RESIDENCE & CITIZENSHIP	City Simi Valley	State or Foreign Country California	Country of Citizenship India
	POST OFFICE ADDRESS	6492 Dowel Dr.	City Simi Valley	State or Country California
				Zip Code 93063

INVENTOR'S SIGNATURE _____ DATE _____

	FULL NAME OF INVENTOR	FIRST Name Alex	MIDDLE Initial A.	LAST Name Kouznetsov
2	RESIDENCE & CITIZENSHIP	City Santa Barbara	State or Foreign Country California	Country of Citizenship Russia
	POST OFFICE ADDRESS	143 Northridge Rd.	City Santa Barbara	State or Country California
				Zip Code 93105

INVENTOR'S SIGNATURE  DATE 7/10/2003

	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name
3	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship USA
	POST OFFICE ADDRESS		City	State or Country
				Zip Code

INVENTOR'S SIGNATURE _____ DATE _____

	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name
4	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship USA
	POST OFFICE ADDRESS		City	State or Country
				Zip Code

INVENTOR'S SIGNATURE _____ DATE _____

	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name
5	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship USA
	POST OFFICE ADDRESS		City	State or Country
				Zip Code

INVENTOR'S SIGNATURE _____ DATE _____

NOTE TO INVENTORS: Signature Must Conform Exactly to Name as Set Forth Above.

POWER OF ATTORNEY

SPECIAL DEVICES, INCORPORATED, assignee of the entire right, title, and interest in the application for United States Letters Patent, entitled "Pre-Fire Countdown in an Electronic Detonator and Electronic Blasting System," by Shashi Kanth and Alex A. Kouznetsov, filed herewith and a copy of the assignment of which is attached hereto, does hereby appoint as attorney of record with full power of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith, Thomas J. Brindisi, Esq., Reg. No. 40,348.

Send Correspondence to:	Law Offices of Thomas J. Brindisi 20 28 th Place, Suite B Venice, California 90291	Direct Telephone Calls to: (310) 439-2901 Fax: (310) 439-2902
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I, the undersigned declare that, as an officer of the assignee, I am authorized to make this appointment on behalf of the assignee and I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full Name of Assignee:	Special Devices, Incorporated
Post Office Address:	14370 White Sage Road, Moorpark, California 93021
Signature of Declarant :	Date: July 9, 2003
Full Name of Declarant	Andrew Bonas
Title of Declarant:	Vice President of Engineering, Special Devices, Inc.
Address of Declarant:	14370 White Sage Road, Moorpark, California 93021

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, we, Shashi Kanth, a citizen of the INDIA, and Alex A. Kouznetsov, a citizen of RUSSIA (hereinafter referred to as "ASSIGNORS"), have invented a "Pre-Fire Countdown in an Electronic Detonator and Electronic Blasting System" for which application for Letters Patent of the United States of America has been executed on even date(s) herewith; and

WHEREAS, Special Devices, Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware and having its principal place of business at 14370 White Sage Road, Moorpark, California 93021 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto, to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent or any legal equivalent thereof to said ASSIGNEE, its successors and assigns, in accordance with this Assignment.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement;

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

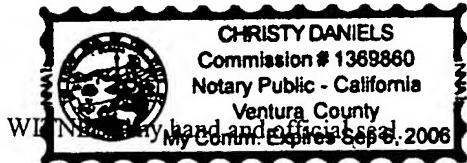
WITNESS my hand at MOORPARK, California, this 17th day of JULY,
2003.

Shashi Kanth
Shashi Kanth

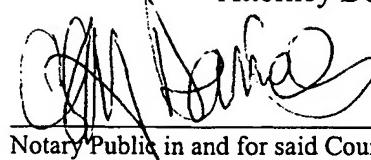
STATE OF California)
COUNTY OF Ventura) ss

On JULY 11, 2003 before me, CHRISY Daniels, personally appeared
Shashi Kanth personally known to me - OR - proved to me on the basis of satisfactory evidence to be the
person whose name is subscribed to the within instrument and acknowledged to me that he she executed the
same in his/her authorized capacity, and that by his/her signature on the instrument the person executed the
instrument.

Patent



Attorney Docket: BRI/022


Notary Public in and for said County and State

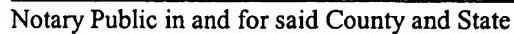
WITNESS my hand at _____, California, this ___ day of _____,
2003.


Alex A. Kouznetsov

STATE OF California)
COUNTY OF Santa Barbara) ss
)

On _____ before me, _____, personally appeared Alex
A. Kouznetsov personally known to me - OR - proved to me on the basis of satisfactory evidence to be the
person whose name is/are subscribed to the within instrument and acknowledged to me that he/she executed the
same in his/her authorized capacity, and that by his/her signature on the instrument the person executed the
instrument.

WITNESS my hand and official seal.


Notary Public in and for said County and State

WITNESS my hand and official seal.

Notary Public in and for said County and State

WITNESS my hand at GOLETA, California, this 10th day of JULY,
2003.

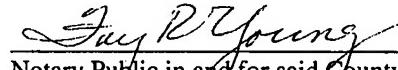
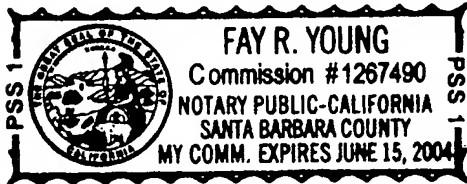


Alex A. Kouznetsov

STATE OF California)
)
COUNTY OF Santa Barbara) ss
)

On July 10, 2003 before me, Fay R Young, notary public, personally appeared Alex A. Kouznetsov personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is /s/ subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person executed the instrument.

WITNESS my hand and official seal.



Fay R. Young
Notary Public in and for said County and State